

10/523,820

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NEWS	13	JUL 14	FSTA enhanced with Japanese patents
NEWS	14	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
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NEWS	18	SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS EXPRESS		JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
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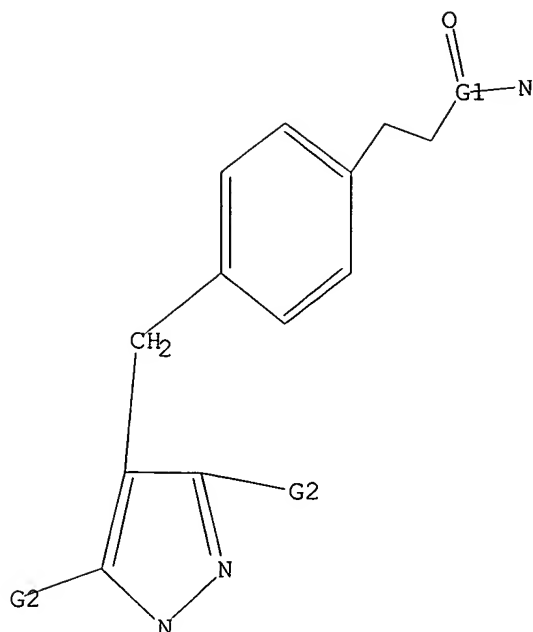
L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

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G1 C,S

G2 Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 10:23:31 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 5 TO 234

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:23:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 124 TO ITERATE

100.0% PROCESSED 124 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>

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L4 STRUCTURE UPLOADED

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=> s l4 sss sam

SAMPLE SEARCH INITIATED 10:25:47 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3572 TO ITERATE

56.0% PROCESSED 2000 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 67856 TO 75024

PROJECTED ANSWERS: 3152 TO 4848

L5 50 SEA SSS SAM L4

=> s l4 exact

SAMPLE SEARCH INITIATED 10:25:56 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 7 TO 298

PROJECTED ANSWERS: 0 TO 0

L6 0 SEA EXA SAM L4

=> s l4 exact full

FULL SEARCH INITIATED 10:26:09 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 158 TO ITERATE

100.0% PROCESSED 158 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L7 1 SEA EXA FUL L4

=> d l7

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 66948-38-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1H-Pyrazole, 4-(phenylmethyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 4-Benzylpyrazole

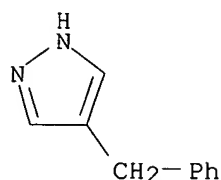
FS 3D CONCORD

MF C10 H10 N2

CI COM

LC STN Files: CA, CAPLUS, CASREACT, CHEMINFORMRX, IFICDB, IFIPAT, IFIUDB,
TOXCENTER, USPATFULL

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
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ENTRY	SESSION
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FILE LAST UPDATED: 11 Sep 2006 (20060911/ED)

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=> s l7
L8 7 L7

=> d bib abd 1-7 l8
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CAN ----- List of CA abstract numbers without answer numbers
CBIB ----- AN, plus Compressed Bibliographic Data

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DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
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FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
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IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

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OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

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containing hit terms
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its structure diagram
HITSEQ ----- HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
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=> d bib abs 1-7 18

L8 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:147825 CAPLUS
DN 142:392521

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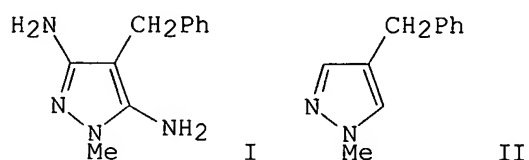
10/523,820

- TI Bitopic Phenylene-Linked Bis(pyrazolyl)methane Ligands: Preparation and Supramolecular Structures of Hetero- and Homobimetallic Complexes Incorporating Organoplatinum(II) and Tricarbonylrhenium(I) Centers
- AU Reger, Daniel L.; Watson, Russell P.; Smith, Mark D.; Pellechia, Perry J.
- CS Department of Chemistry and Biochemistry, University of South Carolina, Columbia, SC, 29208, USA
- SO Organometallics (2005), 24(7), 1544-1555
CODEN: ORGND7; ISSN: 0276-7333
- PB American Chemical Society
- DT Journal
- LA English
- OS CASREACT 142:392521
- AB New fixed-geometry, phenylene-linked bis(pyrazolyl)methane ligands $\alpha,\alpha,\alpha',\alpha'$ -tetra(1-pyrazolyl)-m-xylene (m-[CH(pz)2]2C6H4, Lm), $\alpha,\alpha,\alpha',\alpha'$ -tetra(1-pyrazolyl)-p-xylene (p-[CH(pz)2]2C6H4, Lp), and $\alpha,\alpha,\alpha',\alpha'$ -tetrakis(4-benzylpyrazol-1-yl)-p-xylene (p-[CH(4Bnpz)2]2C6H4, 4BnLp) have been synthesized in order to prepare hetero- and homobimetallic complexes incorporating tricarbonylrhenium(I) and bis(p-tolyl)platinum(II) fragments. Coordination of one rhenium center to Lm was achieved to yield the monometallic rhenium complex {m-[CH(pz)2]2C6H4}Re(CO)3Br, which then incorporated a second metal center to give the heterobimetallic complex { μ -m-[CH(pz)2]2C6H4}[Re(CO)3Br][Pt(p-tolyl)2]. The homobimetallic rhenium complexes of each ligand, { μ -m-[CH(pz)2]2C6H4}[Re(CO)3Br]2, { μ -p-[CH(pz)2]2C6H4}[Re(CO)3Br]2, and { μ -p-[CH(4Bnpz)2]2C6H4}[Re(CO)3Br]2, were also prepared. The crystalline structure of each complex shows extensive noncovalent interactions, including weak hydrogen bonds and $\pi\cdots\pi$ and CH $\cdots\pi$ interactions, that organize the mols. into complex supramol. structures.
- RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L8 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1994:106852 CAPLUS
- DN 120:106852
- TI Synthesis of 4-alkylpyrazoles from 3,5-diaminopyrazoles
- AU Echevarria, Aurea; Elguero, Jose; Yranzo, Gloria I.; Diez-Barra, Enrique; de la Hoz, Antonio; Moreno, Andres; Garcia-Martin, Miguel Angel
- CS Inst. Quim. Med., CSIC, Madrid, E-28006, Spain
- SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1993), (18), 2229-32
CODEN: JCPRB4; ISSN: 0300-922X
- DT Journal
- LA English
- OS CASREACT 120:106852
- AB The possibility of preparing 4-alkylpyrazoles from malononitrile (through C-alkyl malononitriles and 3,5-diamino-4-alkylpyrazoles) has been explored. Although some difficulties arise in the double-deamination step, the method has allowed the synthesis of 4-benzyl- and 4-phenethylpyrazoles. New 3-halopyrazoles have also been prepared. The synthesis of 3,5-diamino-4-iodopyrazole is reported. This elusive compound has a ¹³C NMR spectrum in which in aromatic carbon (C-4) appears at δ 29.53.
- L8 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 1993:517171 CAPLUS
- DN 119:117171
- TI Synthesis of 4-benzylpyrazoles from monobenzylmalononitrile

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AU Echevarria, Aurea; Elguero, Jose
CS Inst. Quim. Med., CSIC, Madrid, E-28006, Spain
SO Synthetic Communications (1993), 23(7), 925-30
CODEN: SYNCAV; ISSN: 0039-7911
DT Journal
LA English
OS CASREACT 119:117171
GI



AB Hitherto unknown 4-benzylpyrazoles can be prepared in three steps by monobenylation of malononitrile, reaction with hydrazines to form 3,5-diamino-4-benzylpyrazoles, followed by double deamination. Thus, $\text{PhCH}_2\text{CH}(\text{CN})_2$ cyclocondensed with MeNHNH_2 in refluxing EtOH to give 1-methyl-2,5-diamino-4-benzylpyrazole (I), which was treated with 50% aqueous hypophosphorous acid and NaNO_2 to give 4-benzyl-1-methylpyrazole (II).

L8 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1987:426838 CAPLUS
DN 107:26838
TI Anti-corrosion composition
IN Hwa, Chih M.; Mitchell, Wayne A.
PA W. R. Grace and Co., USA
SO U.S., 4 pp.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 4649025	A	19870310	US 1985-776311	19850916
	ZA 8606609	A	19871028	ZA 1986-6609	19860901
	JP 62067184	A2	19870326	JP 1986-212837	19860911
	ES 2001960	A6	19880701	ES 1986-1847	19860912
	AU 8662668	A1	19870319	AU 1986-62668	19860915
	CA 1294421	A1	19920121	CA 1986-518164	19860915
	EP 215670	A2	19870325	EP 1986-307124	19860916
	EP 215670	A3	19880127		
	EP 215670	B1	19900314		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 51041	E	19900315	AT 1986-307124	19860916
PRAI	US 1985-776311	A	19850916		
	EP 1986-307124	A	19860916		

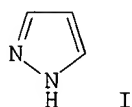
AB Corrosion of Fe-based alloys in a circulating water is decreased by a synergistic inhibitor mixture containing (a) 1-hydroxyethane-1,1-bis(phosphoric acid) (I) or its water-soluble salts, (b) hydroxyphosphonoacetic acid (II) or its water-soluble salts, and optionally (c) an azole compound. The corrosion inhibitor in water is preferably 5-200 ppm of I and II compds. with optional 0.4-50 ppm azole compound, and replaces conventional chromate inhibitors to prevent water pollution. The water is suitable for heat

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exchangers and cooling. Specimens of SAE 1010 steel were immersed 3 days in hard water at 130° F, pH 8.0-8.5, and flow rate 2 ft/s (or much slower in a tank). The corrosion rate was 5.6 mil/yr when the inhibitor contained 5 ppm each of I and II and 1.94 ppm Na tolyltriazole (III); 8.1 mil/yr at 10 ppm II and 1.94 ppm III; 15.5 mil/yr at 10 ppm I and 1.94 ppm III; and 87.5 mil/yr without the inhibitor.

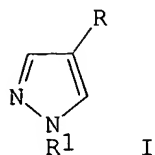
L8 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1984:525690 CAPLUS
DN 101:125690
TI 4-Substituted pyrazoles as inhibitors of liver alcohol dehydrogenase.
Structure-activity relationships
AU Tolf, Bo Ragnar; Dahlbom, Richard; Akeson, Ake; Theorell, Hugo
CS Biomed. Cent., Univ. Uppsala, Uppsala, S-751 23, Swed.
SO Biol. Act. Princ. Nat. Prod. (1984), 265-77. Editor(s): Voelter,
Wolfgang; Daves, Doyle G. Publisher: Thieme, Stuttgart, Fed. Rep. Ger.
CODEN: 51TMAX
DT Conference
LA English
GI



AB Pyrazole (I) derivs. with various substituents in the 4-position were synthesized and assayed for in vitro inhibition of horse liver alc. dehydrogenase (LADH). Substitution with n-alkyl groups conferred a very high inhibitory activity to the I derivs. The relative inhibitory activities were correlated to the increase in lipophilicity of the substituent with increasing chain length. The compds. with branched alkyl groups or cycloalkyl groups were less active than the corresponding n-alkylpyrazoles, probably due to lowered lipophilicity and unfavorable steric interactions. The introduction of unsatd. substituents afforded compds. which displayed reduced inhibitory activity compared to the saturated analogs. Substitution of the I ring with substituents containing polar groups was, in several cases, detrimental to inhibitory activity, especially when the polar group was close to the I ring, apparently reflecting the hydrophobicity of the activity site pocket in the enzyme. However, the inhibitory activity was correlated to the lipophilicity of the substituent, allowing some of the compds. to be very active.

L8 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1982:406216 CAPLUS
DN 97:6216
TI Synthetic inhibitors of alcohol dehydrogenase. Pyrazoles containing an unsaturated hydrocarbon residue in the 4-position
AU Tolf, Bo Ragnar; Dahlbom, Richard; Theorell, Hugo; Aakeson, Aake
CS Biomed. Cent., Univ. Uppsala, Uppsala, S-751 23, Swed.
SO Acta Chemica Scandinavica, Series B: Organic Chemistry and Biochemistry (1982), B36(2), 101-7
CODEN: ACBOCV; ISSN: 0302-4369
DT Journal
LA English
GI

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AB Fourteen pyrazoles I (R = C.tplbond.CH, C.tplbond.CBu, C.tplbond.CPh, CH:CH₂, PhC:CH, CH₂Ph, (CH₂)₃C.tplbond.CH, etc.; R₁ = H) were prepared from I (R = iodo, R₁ = 2,4,6-Me₃C₆H₂) via I (R = CH₂OH, C.tplbond.CBu, C.tplbond.CPh, R₁ = 2,4,6-Me₃C₆H₂) or from I [R = Br, R₁ = H; R = HO(CH₂)₃, R₁ = H]. I were tested for ability to inhibit the enzyme alc. dehydrogenase and were less active than the corresponding saturated analogs.

L8 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1978:516577 CAPLUS
 DN 89:116577
 TI Method and agent for protecting metals against corrosion
 IN Menke, Russell Owen; Jacob, Jose T.; Hwa, Chih Ming
 PA Chemed Corp., USA
 SO Ger. Offen., 17 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2720312	A1	19771201	DE 1977-2720312	19770506
	CA 1083335	A1	19800812	CA 1977-273347	19770307
	SE 7705155	A	19771111	SE 1977-5155	19770503
	NL 7704941	A	19771114	NL 1977-4941	19770505
	NL 177133	B	19850301		
	NL 177133	C	19850801		
	BE 854368	A1	19770901	BE 1977-177364	19770506
	FR 2362217	A1	19780317	FR 1977-13948	19770506
	FR 2362217	B1	19840511		
	JP 52135846	A2	19771114	JP 1977-52157	19770509
	ES 458602	A1	19780201	ES 1977-458602	19770509
	GB 1545182	A	19790502	GB 1977-19439	19770509
	US 4134959	A	19790116	US 1977-826009	19770819
PRAI	US 1976-685008	A	19760510		

AB Small amts. of an azole compound and of a water soluble phosphate are added to H₂O to reduce metal corrosion. Thus, in an exptl. tank, 5 ppm 2-mercaptobenzothiazole [149-30-4] and 4.8 ppm Na-tripolyphosphate [7785-84-4] were added to water containing 714 ppm CaSO₄.2aq., 519 MgSO₄.7aq., 185 NaHCO₃, 989 NaCl. Metallic specimens with 26.2 cm² surface, were exposed to circulating H₂O at 54° for 10 days. The addition reduced the corrosion rate for Al alloy AA 6061 [12616-75-0] from 249 to 10 μ/yr, for Cu and 43 to 5, for brass CDA 268 [55061-46-6] from 36 to 5, and for mild steel SAE 101/ [12725-33-6] from 298 to 159. Other azole compds. such as 4-benzylpyrazole [66948-38-7] or 2-Me-imidazole [693-98-1] may be used.

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L1 STRUCTURE UPLOADED

L2 0 S L1 SSS SAM

L3 0 S L1 FULL

L4 STRUCTURE UPLOADED

L5 50 S L4 SSS SAM

L6 0 S L4 EXACT

L7 1 S L4 EXACT FULL

FILE 'CAPLUS' ENTERED AT 10:26:21 ON 12 SEP 2006

L8 7 S L7

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NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

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0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:23:01 ON 12 SEP 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 11 SEP 2006 HIGHEST RN 906423-10-7

DICTIONARY FILE UPDATES: 11 SEP 2006 HIGHEST RN 906423-10-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10523820.str

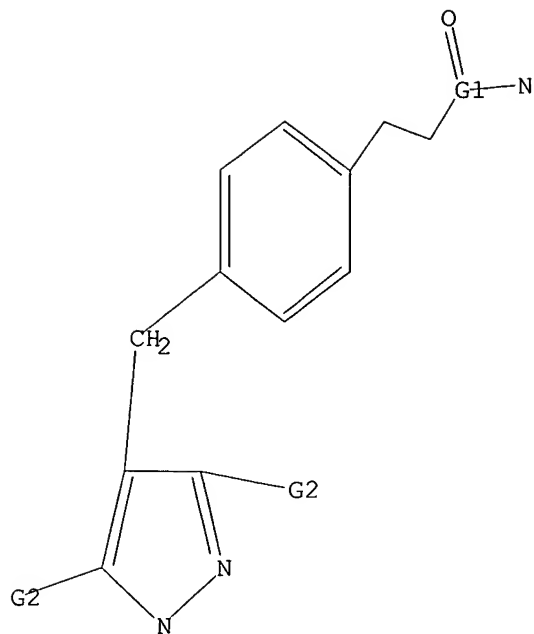
L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

10/523,820



G1 C,S

G2 Cb,Hy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 10:23:31 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 5 TO 234

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:23:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 124 TO ITERATE

100.0% PROCESSED 124 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

McIntosh